

20021018.qrp v02_n713.qrl.20021018

Date: Fri, 18 Oct 2002 19:03:10 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2713

QRP-L Digest 2713

Topics covered in this issue include:

- 1) [138243] Re: Nor'Easter - Through hole/table top version
by K5BDZ@aol.com
- 2) [138244] Re: QRP contesting - the FOX HUNT?
by Bob Nielsen <nielsen@oz.net>
- 3) [138245] OT: pair of MIQC-176M looking for a home
by "Ian Wilson" <ianmwilson@earthlink.net>
- 4) [138246] RE: Stand for FT-817
by WE7X@aol.com
- 5) [138247] RE: Problems downloading anti-virus update
by "Emmerson Bigguns" <n8ie@woh.rr.com>
- 6) [138248] FS: March R3a paddle
by "NZ8J" <nz8j@woh.rr.com>
- 7) [138249] March Paddles ****SOLD*****
by "NZ8J" <nz8j@woh.rr.com>
- 8) [138250] Re: 1.25M emergency radio?
by "Chad Nelson" <galahad@boisecenter.net>
- 9) [138251] Re: Nor'Easter - Through hole/table top version
by "George Heron N2APB" <n2apb@erols.com>
- 10) [138252] FS at Pacificon - K2 with mingi options
by "Dave Fifield" <dave@redhotradio.com>
- 11) [138253] OT: DK9SQ Mast/Loop
by ARDUJENSKI@aol.com
- 12) [138254] RE: Stand for FT-817
by "Karl F. Larsen" <k5di@zianet.com>
- 13) [138255] Re: Needed- Plastic PC Coil Forms
by "Leon Heller" <leon_heller@hotmail.com>
- 14) [138256] WTB: JONES KEY any condition
by Curt <k3ivb@yahoo.com>
- 15) [138257] Re: Nor'Easter Questions and packaging
by "Bill Jones" <kd7s@psnw.com>
- 16) [138258] Re: Nor'Easter - Through hole/table top version
by WILLIAM MOORE <wrmoore47@comcast.net>
- 17) [138259] No'easter
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
- 18) [138260] Ten-Tec 516
by Bill ROWLETT <kc4atu@yahoo.com>
- 19) [138261] Re: Nor'Easter Questions and packaging

- by San Rotter <rotter@ieee.org>
- 20) [138262] RE: Nor'Easter Questions and packaging
by "KD5NWA" <KD5NWA@mbayona.com>
- 21) [138263] MC1350P
by "Richard Johnson" <richard_johnson@credence.com>
- 22) [138264] Re: Nor'Easter Questions and packaging
by "Bill Jones" <kd7s@psnw.com>
- 23) [138265] Re: Ten-Tec 516
by Michael Bower <bowerm@ix.netcom.com>
- 24) [138266] Nor'Easter Questions packaging ??
by K5BDZ@aol.com
- 25) [138267] Caution: Rookie QRP CW contester this weekend!!
by "Brockwell, Stephen E. CECOM SEC FSSE GPI" <brockwse@fssec.army.mil>
- 26) [138268] Re: Fox - Winter Fox Hunt Teams.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 27) [138269] ZM tuner variations ?
by <stanw@toxosor.com>
- 28) [138270] Re: MC1350P
by Chris Cartwright <ccart@phideaux.com>
- 29) [138271] Epiphyte 3 Transceiver
by Fred Ringwald <fred@ringwald.org>
- 30) [138272] Table top Nor'Easter (SWL Rx)
by Steven Weber <kd1jv@moose.ncia.net>
- 31) [138273] Re: Ten-Tec 516
by <igeq100@iupui.edu>

Date: Thu, 17 Oct 2002 19:00:58 EDT
From: K5BDZ@aol.com
To: kd1jv@moose.ncia.net, qrp-1@lehigh.edu
Subject: [138243] Re: Nor'Easter - Through hole/table top version
Message-ID: <196.f3c2b92.2ae09b2a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Steve

Since a through hole
version would be a lot larger, I think I'd view it as an AC powered "table
top" radio.

I'll take two (2) sight unseen... as soon as you're taking the money!

Bill K5BDZ

Date: Thu, 17 Oct 2002 16:58:26 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [138244] Re: QRP contesting - the FOX HUNT?
Message-ID: <20021017235826.GA10777@bob.n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Thu, Oct 17, 2002 at 02:00:16PM -0400, ROBERT EVANS wrote:

> Is there going to be a winter 2002-2003 FOX HUNT?
> AND if YES ...
> Where should I look for the schedule?
>

The schedule was posted to this list by K0EVZ a few days ago:

10/31 N3BJ and N0UR
11/07 WD7Z and N7CQR
11/14 W0UFO and K4FB
11/21 N1FN and KV2X
11/28 K5DI and VE4WI
12/05 AC7A and N4DD
12/12 WD7Z and W8RU
12/19 K3ESE and K0FRP
=====BYE=====

01/02 N0TK and KV2X
01/09 K9DC and N3BJ
01/16 N7CQR and N0UR
01/23 AC7A and N2WW
01/30 W0UFO and N0TK
02/06 NK6A and K0PC
02/13 K3ESE and N2WW
02/20 K4FB and VE4WI
02/27 K5DI and W8RU
03/06 N4DD and K0PC
03/13 K9DC and K0FRP
03/20 NK6A and N1FN

I imagine it will show up on <http://www.cqc.org/fox/> pretty soon.

72/73,
Bob, N7XY

Date: Thu, 17 Oct 2002 17:07:57 -0700

From: "Ian Wilson" <ianmwilson@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [138245] OT: pair of MIQC-176M looking for a home
Message-ID: <00ac01c2763a\$6a146f20\$0b02a8c0@trabucoserver>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a pair of MIQC-176M I/Q 176MHz modulator/demodulators (on a prototype
picked up at a swap meet).
Anyone have a home for these? Trade for anything more HF/QRP related that
makes it worth the cost of the stamps :)

de ian, k3imw/6

Date: Thu, 17 Oct 2002 21:09:56 EDT
From: WE7X@aol.com
To: qrp-l@lehigh.edu
Subject: [138246] RE: Stand for FT-817
Message-ID: <32.2ec7fda4.2ae0b964@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I just happened to be looking at my Yaesu FT-100. It has small plastic
folding feet in the front, which are held on with screws. You might look at
this setup for a possible mod to the 817.

You would have to be a bit careful where you put them though, as the
battery pack takes up a large part of the bottom of the FT-817.

Rod WE7X

Date: Thu, 17 Oct 2002 21:45:14 -0400
From: "Emmerson Bigguns" <n8ie@woh.rr.com>
To: "QRP-l" <qrp-l@lehigh.edu>
Subject: [138247] RE: Problems downloading anti-virus update
Message-ID: <MMEDLKDLOJAOAIGICDJAOLHDGAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Mark,

AVG does not have a direct dial-up number.

I would suggest you get a download manager such as:

DAP at <http://www.speedbit.com/>

or freshDownload at <http://www.freshdevices.com/freshdown.html>

72, oo

Dan, N8IE

FPqrp #-6, QRP-1 #1404, FISTS #4985

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of cytanet

Sent: Thursday, October 17, 2002 7:55 PM

To: Low Power Amateur Radio Discussion

Subject: Re: Problems downloading anti-virus update

> Hi, everyone:

> I use the free version of the AVG anti-virus
> program to protect my computer. I've been trying
> to download the latest update from their Web site,
> but I keep getting disconnected by my ISP shortly
> after getting started (I use Juno's free service,
> and would have to give long and careful thought
> before upgrading to their paying service, since I
> am on a fixed income).

> For the time being, I am trying every night
> during the wee hours to download that update. I
> suspect that by the time I manage to get a decent
> connection, there will be even *more* update files
> to be downloaded, which will require even more time
> online!

> So I would like to ask: Does anyone know if AVG's
> server <www.grisoft.com> has a conventional phone
> number which I could use to download their updates
> without going through Juno? That's the best that I
> can think of, apart from "keep trying". TIA.

>

> 73, Mark

Incoming mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.394 / Virus Database: 224 - Release Date: 10/3/2002

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.394 / Virus Database: 224 - Release Date: 10/3/2002

Date: Thu, 17 Oct 2002 21:49:56 -0400
From: "NZ8J" <nz8j@woh.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [138248] FS: March R3a paddle
Message-ID: <005101c27648\$a99348c0\$6400a8c0@NZ8J>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

As new, 2 weeks old, just not suited to my use. Paid \$253 total, will sell
for \$205 shipped and insured. Would look nice next to your K2 or Argo V :)
See the reviews on eham.. <http://www.eham.net/reviews/detail/137>

Thanks
Tim
NZ8J

Date: Thu, 17 Oct 2002 22:11:48 -0400
From: "NZ8J" <nz8j@woh.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [138249] March Paddles *****SOLD*****
Message-ID: <007901c2764b\$b715d000\$6400a8c0@NZ8J>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who responded
Tim
Nz8J

Date: Thu, 17 Oct 2002 20:29:07 -0600
From: "Chad Nelson" <galahad@boisecenter.net>
To: <qrp-l@lehigh.edu>
Subject: [138250] Re: 1.25M emergency radio?
Message-ID: <009d01c2764e\$69532ae0\$c437bbd0@galahad>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all that replied,
I think this idea started off as an attempt to add a little
juice to an otherwise
dead allocation but it sounds like it would be to pricey a project for the
outcome.

> >
> >Hello all,
> >
> >Going through Qst over the last six months there was
> >several pleas for a simple two channel 222
> >emergency pocket kit, something that would be easy to build
> >for
> >us novice slag makers and small enough
> >to keep with you at all times.
> >Has anyone run across any ongoing projects aimed at this
> >goal?

> >
> >Chad Nelson KD7FDU
> >Boise Id U.S.A

>
>

> -----
> Unlimited Internet access -- and 2 months free! Try MSN.
> <http://resourcecenter.msn.com/access/plans/2monthsfree.asp>
>
>

Date: Thu, 17 Oct 2002 22:43:21 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [138251] Re: Nor'Easter - Through hole/table top version
Message-ID: <00b501c27650\$22141d40\$2ac83ad0@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Steve -

I would absolutely be interested in such an expanded version of your Nor'Easter. Funny, I was just oogling the Palstar R30 Shortwave Receiver reviewed in the November QST that came today (page 74) and thinking that it's just about the perfect size, in my opinion.

I've never been a real fan of putting the more feature-rich radios in Altoids tins. Just too small and fragile and compromising. I've been considering ways to mount your Nor'Easter board in an enclosure something like this Palstar. Or perhaps in the enclosures that Dave Benson uses for his PSK-xx units.

73, George N2APB
n2apb@amsat.org

Date: Thu, 17 Oct 2002 20:23:26 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [138252] FS at Pacificon - K2 with mingi options
Message-ID: <000001c27655\$baf855d0\$0200a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

I will have my K2 at Pacificon this weekend.
I don't want to have to bring it back with me.

First person to offer me a reasonable amount
for it at QRPacificon (cash money only, of course)
will be the one going home with it.

It's serial number 625. I built it myself with
great care. It has been set up and measured with
my extensive lab.

The K2 has the following options installed:

- KBT2 Internal Gel Cell Battery
- K160M 160m/2nd RX antenna adapter
- KAT-2 auto-tuner

- KNB2 Noise blanker
- KSB2 SSB adapter

Comes with a brand new Kenwood MC-43S microphone, for which it has been set up. Also included is a Radio Shack 22-503 power supply that has been modified for 14.1V output (remember my mod instructions on QRP-L some time back?) with power cords.

Additionally, I have an unbuilt KAF2 (audio filter and real-time clock) kit that will come along with the rig - gotta leave you something to build this winter!

If you were to buy this lot new, it would cost you \$1010.93 plus \$40 ish for the power supply.

Like I said, first reasonable offer of real cash at QRPacificon secures. See you there...

72, Dave, AD6A

Date: Fri, 18 Oct 2002 07:43:30 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [138253] OT: DK9SQ Mast/Loop
Message-ID: <162.15dde172.2ae14de2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I would like to hear from personal experience from those that have used the DK9SQ mast/loop. I am looking for a portable low angle antenna that is directional and would like to hear some comparative info. This would be for 20m+. Likes, dislikes, performance, end rejection? Please respond directly so not to clutter the list.

Alan KB7MBI in Woodinville, WA
FISTS 5702 Proud member of ARRL

--- --- --- --- DIT DIT

Date: Fri, 18 Oct 2002 05:57:34 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>
To: WE7X@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [138254] RE: Stand for FT-817
Message-ID: <Pine.LNX.4.44.0210180555300.1843-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just put a big eraser under mine. Location defines how much lift and it gets the the front up high enough so I see the screen with my lower bi-focals.

On Thu, 17 Oct 2002 WE7X@aol.com wrote:

> I just happened to be looking at my Yaesu FT-100. It has small plastic
> folding feet in the front, which are held on with screws. You might look at
> this setup for a possible mod to the 817.
> You would have to be a bit careful where you put them though, as the
> battery pack takes up a large part of the bottom of the FT-817.
> Rod WE7X
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Fri, 18 Oct 2002 12:08:33 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: <bjtatum@ev1.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [138255] Re: Needed- Plastic PC Coil Forms
Message-ID: <DAV720Dt9Cz93MgPPf300002390@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Byron Tatum" <bjtatum@ev1.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, October 17, 2002 8:03 PM
Subject: Needed- Plastic PC Coil Forms

> Hello-
> I need a good quantity of a plastic slug tuned PC mount coil form as
> follows :
> OD of form- .18 to .22"
> Height - 5/8"{ min} 3/4" optimum
> Slug Mat'l - used at 28 thru 116 Mhz.
> These coil forms are mounted by simply pushing them thru a
tight
> fitting hole in PC board until the small base flange contacts underside of
> board. The base flange size is not critical as I trim it down to just
barely
> bigger than the form. What you end up with is just a coil form rising above
> the board and it is wound in place. There are no terminals needed.
> I have been using surplus coils that I removed a set of windings from
> and trimmed away the bases. They worked OK but old cement from windings did
> cause some winding slowdowns.
> I used to see bags of these type coils advertised in surplus catalogs,
> etc, but for the life of me cannot locate any now. I can use up to 200-300
> of them.
> Thanks, WA5THJ.

Toko makes a wide range of similar wound inductors. I think it's the S18 series. You should be able to find coils from the range with the required values.

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Fri, 18 Oct 2002 07:19:44 -0700 (PDT)
From: Curt <k3ivb@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [138256] WTB: JONES KEY any condition
Message-ID: <20021018141944.6096.qmail@web14504.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Looking and have been looking for a Jones Key for a old timer friend that asked me months ago and
I am still looking. So I am asking for one even if it needs fixed, I will fix it, whatever, broke,
dirty, banged up, abused, even junk I will take it off your hands. Just want a

Jones Key and I
know they are out there.

72....Curt QRP-L #433

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Date: Fri, 18 Oct 2002 07:18:15 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [138257] Re: Nor'Easter Questions and packaging
Message-ID: <003301c276b1\$333649c0\$9110010a@fresno>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bill,

From: "blinn" <blinn@smgazette.com>
> Now, my BIG challenge is to find a suitable enclosure.

For me, the whole purpose in building the Nor'Easter is to have a small, light weight receiver for backpacking. I really enjoy listening to a little news or music before going to sleep in my tent. Obviously a conventional a.m. or f.m. radio doesn't work in the back country.

I build my own enclosures out of ABS plastic. I intend to package my Nor'Easter similar to the Sony ICF SW-100 (<http://www.rnw.nl/realradio/icfsw100.html>). I like the idea of a hinged lid to protect the controls when the radio is in my pack. The lid will also activate an ON/OFF switch when it is opened. I will power my Nor'Easter with a 9-volt Alkaline battery for short trips or a Lithium battery for extended excursions. I plan to use larger switches than those supplied with the kit to make changing frequency etc. in the dark easier. Finally, all the panel lettering will be done in glow-in-the-dark paint. A ten second blast of light from my flashlight will yield 30 minutes of panel lighting. So, as you can see, my needs are quite different than most. One thing is for sure nobody will mistake my finished Nor'Easter for a 1938 Silvertone tabletop radio. I'll try to get some pictures on my web page when the project is completed.

=====
Bill Jones - <><

Sanger, California

=====

Date: Fri, 18 Oct 2002 09:28:30 -0500
From: WILLIAM MOORE <wmoore47@comcast.net>
To: qrp-l@lehigh.edu
Subject: [138258] Re: Nor'Easter - Through hole/table top version
Message-ID: <f2b6bf2499.f2499f2b6b@icomcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-language: en
Content-transfer-encoding: 7BIT
Content-disposition: inline

I am very interested in this! I've been looking for something to do for/with my grandson. This would be perfect! I'd prefer a version with the ready-made PC board.

73,
Randy, KS4L
Huntsville, AL

Date: Fri, 18 Oct 2002 11:22:20 -0400
From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>
To: <qrp-l@lehigh.edu>
Subject: [138259] No'easter
Message-ID: <6579C6377F475547985F0B3E426E16260204DED2@OCCLUST01EVS1.ugd.att.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

Hi all

If anyone has finished this little receiver and have it working, it =
would be nice if someone would take the time
to record some voltage measurements and post them somewhere. Us that are =
having trouble are finding it hard to
continue. In my case it tunes and shows it has tuned frequency but I =
can't hear anything in the head phones. I don't

have the correct voltages at tc2 either even after making the =
corrections. One other oddity is that in trying to take
some voltage reading I can barley hear some audio when I place my =
positive probe on pin 1 of the 386 chip, not=20
connected, just in the esp level. So my thought is that maybe that chip =
is defective, but how can I prove that?

Anyway on my way out the door for a few days of vacation, so I hope =
someone will take some time and provide us
with a guide to finding out these troubles, of course I could always =
send it back to Steve to have it fixed, but then
what have I learned, that postal rates have and will go up, and be slow. =

Marty Hartwell kd8bj
mehartwell@att.com
AT&T Columbus Ohio
PH:614-501-2503

Date: Fri, 18 Oct 2002 08:25:02 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [138260] Ten-Tec 516
Message-ID: <20021018152502.72315.qmail@web14206.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Its here, now I just have to get through the day
before I take it and me home. Working for a living is
the pits at time. Report tonight.

For the others waiting out there, I live in northern
Va. so figure your dates.

73, Bill kc4atu

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<http://faith.yahoo.com>

Date: Fri, 18 Oct 2002 11:14:40 -0500
From: San Rotter <rotter@ieee.org>

To: qrp-1@lehigh.edu
Subject: [138261] Re: Nor'Easter Questions and packaging
Message-ID: <3.0.6.32.20021018111440.02a58590@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Bill -

I have been looking for a clear nice quality plastic box for the Nor'Easter with no real luck. I did find a Allary Travel Sewing Kit box Style No. 350 <http://www.allarycorp.com/sewproducts.html> I bought at a local dollar store for what else a dollar plus local tax. It has a clear plastic top and a blue bottom. It turned out to be to brittle. I have found a nice quality plastic box but it had non-removable dividers.

I wonder what other box ideas there are for the Nor'Easter?

For the time, until I make a Nicad or NiMH battery pack I have made a adaptor from a LM7808 regulator in a heat shrink enclosure so I can use my 12V battery packs or gell cells.

I see the limit on the input voltage to the Nor'Easter SWBC Rx is:

<http://www.microchip.com/download/lit/pline/analog/power/charpump/21465a.pdf>
TC7660 CHARGE PUMP DC-TO-DC VOLTAGE CONVERTER
Wide Input Voltage Range 1.5V to 10V

I have a hidden agenda against 9V batteries unless they are used in very low current applications like smoke detectors. I happen to have some 'AA' battery holders and made a 6 battery pack. I notice my open circuit voltage was 9.65V with a fresh set of batteries. The only problem I see is that when the batteries go down to 0.9 volts my output will only be 5.4 volts which is to low. At 7 volts out each battery will average 1.17 volts. At 6.5 volts each battery will average 1.084 volts. I prefer to get all the energy out of the batteries. I think a Nicad or Nickel Metal Hydride (NiMH) are a better choice if one remembers to keep them charged. I am impressed with Rayovac.com: <http://www.rayovac.com/busioem/oem/index.shtml> new batteries.

Or you could try this idea:

DESIGN IDEAS For the complete Design Ideas section in PDF format, go to <http://email.ednmag.com/cgi-bin2/flo?y=eJT20EjUWG0Dar0Brdp0A3>

Extend the input range of a low-dropout regulator
<http://email.ednmag.com/cgi-bin2/flo?y=eJT20EjUWG0Dar0Brdq0A4>

72,

San
K9YT
1-608-278-0377
IEEE Madison Section - Meeting Schedule
<http://www.bugsoft.com/ieee/meetings.html>
Institute of Electrical and Electronics Engineers
<http://www.bugsoft.com/ieee/>

Date: Thu, 17 Oct 2002 23:30:18 -0500
From: "KD5NWA" <KD5NWA@mbayona.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [138262] RE: Nor'Easter Questions and packaging
Message-ID: <ODEHLGCFKOMOKMFFMBCLIEPDCAAA.KD5NWA@MBayona.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

For now I'm going to use a plastic school supply box that I bought at Wal-Mart for \$0.33 it's a little bigger than I need (7.5" x 5") but I could put a small speaker and carry extra batteries in it when I go camping.

Cecil
KD5NWA

-----Original Message-----
From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of San Rotter
Sent: Friday, October 18, 2002 11:15 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Nor'Easter Questions and packaging

Bill -

I have been looking for a clear nice quality plastic box for the NorEaster

with no real luck. I did find a Allary Travel Sewing Kit box Style No. 350
<http://www.allarycorp.com/sewproducts.html> I bought at a local dollar
store for what else a dollar plus local tax. It has a clear plastic top and
a blue bottom. It turned out to be to brittle. I have found a nice quality
plastic box but it had non-removable dividers.

I wonder what other box ideas there are for the Nor'Easter?

For the time, until I make a Nicad or NiMH battery pack I have made a
adaptor from a LM7808 regulator in a heat sink enclosure so I can use my 12V
battery packs or gell cells.

I see the limit on the input voltage to the Nor'Easter SWBC Rx is:

<http://www.microchip.com/download/lit/pline/analog/power/charpump/21465a.pdf>
TC7660 CHARGE PUMP DC-TO-DC VOLTAGE CONVERTER
Wide Input Voltage Range 1.5V to 10V

I have a hidden agenda against 9V batteries unless they are used in very low
current applications like smoke detectors. I happen to have some 'AA'
battery holders and made a 6 battery pack. I notice my open circuit voltage
was 9.65V with a fresh set of batteries. The only problem I see is that
when the batteries go down to 0.9 volts my output will only be 5.4 volts
which is to low. At 7 volts out each battery will average 1.17 volts. At
6.5 volts each battery will average 1.084 volts. I prefer to get all the
energy out of the batteries. I think a Nicad or Nickel Metal Hydride (NiMH)
are a better choice if one remembers to keep them charged. I am impressed
with Rayovac.com: <http://www.rayovac.com/busioem/oem/index.shtml> new
batteries.

Or you could try this idea:

DESIGN IDEAS For the complete Design Ideas section in PDF format, go to
<http://email.ednmag.com/cgi-bin2/flo?y=eJT20EjUWG0Dar0Brdp0A3>

Extend the input range of a low-dropout regulator
<http://email.ednmag.com/cgi-bin2/flo?y=eJT20EjUWG0Dar0Brdq0A4>

72,

San
K9YT
1-608-278-0377

IEEE Madison Section - Meeting Schedule
<http://www.bugsoft.com/ieee/meetings.html>
Institute of Electrical and Electronics Engineers
<http://www.bugsoft.com/ieee/>

Date: Fri, 18 Oct 2002 09:44:16 -0700
From: "Richard Johnson" <richard_johnson@credence.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [138263] MC1350P
Message-ID: <3DB03A60.CFA959AF@credence.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Group:

I am designing with the MC1350P and have seen in the homebrew literature many different matching networks to input and output.

Do any of you have insight on using the part?

cheers,
rich

Date: Fri, 18 Oct 2002 09:55:28 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <rotter@ieee.org>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [138264] Re: Nor'Easter Questions and packaging
Message-ID: <000501c276c7\$2c188890\$9110010a@fresno>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

San,

One of the most fascinating studies in ingenuity can be seen on Rod, NØRC's Rock Mite Files web page. The URL is
<http://www.radioactivehams.com/~n0rc/rm/>. Here you can see a plethora of ideas on how to package the Rock Mite. I recommend you browse the entries

and see if you find something that would apply to your Nor'Easter.

As far as batteries are concerned, the good old 9-volt Alkaline or Lithium cells meet my needs perfectly. They are lighter than a 6-pack of AA cells and weight is a prime concern to me for backpacking. I like your idea of adding an 8-volt, 3-terminal regulator to your Nor'Easter. Very innovative thinking, for sure.

=====

Bill Jones - <><
Sanger, California

=====

----- Original Message -----

From: "San Rotter" <rotter@ieee.org>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, October 18, 2002 9:14 AM

Subject: Re: Nor'Easter Questions and packaging

> Bill -

>

>

> I have been looking for a clear nice quality plastic box for the NorEaster with no real luck. I did find a Allary Travel Sewing Kit box Style No. 350 <http://www.allarycorp.com/sewproducts.html> I bought at a local dollar store for what else a dollar plus local tax. It has a clear plastic top and a blue bottom. It turned out to be to brittle. I have found a nice quality plastic box but it had non-removable dividers.

Date: Fri, 18 Oct 2002 12:59:45 -0400

From: Michael Bower <bowerm@ix.netcom.com>

To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [138265] Re: Ten-Tec 516

Message-ID: <3DB03E01.80509@ix.netcom.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

Wow, I feel like there is something in the air. A lot of people are coming down with a fever, shakes, overall louse feelings. Are you sure you don't have that? Maybe so that you don't risk others, you should go home early. Seems like a prudent thing to me.

(Of course, you'll have to make up the time later. But.....)

Bill, you better bring that puppy to the next NoVaQRP meeting. Gosh, if we announce that you are bring it, we may have a huge crowd. Cool.

Michael

Bill ROWLETT wrote:

```
> Its here, now I just have to get through the day
> before I take it and me home. Working for a living is
> the pits at time. Report tonight.
>
> For the others waiting out there, I live in northern
> Va. so figure your dates.
>
> 73, Bill  kc4atu
>
> -----
> Do you Yahoo!?
> Faith Hill - Exclusive Performances, Videos & More
> http://faith.yahoo.com
>
>
```

Date: Fri, 18 Oct 2002 13:08:30 EDT
From: K5BDZ@aol.com
To: rotter@ieee.org, qrp-1@lehigh.edu
Subject: [138266] Nor'Easter Questions packaging ??
Message-ID: <77.2c1812.2ae19a0e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

A quick note on packaging - hope it gives others ideas:

I plan to build from double sided PC board a "framework" slide-in mounting to allow my receiver to easily slide in and out of a plastic box with a lid. All controls / connections will be under the lid, therefore no holes in the box, and therefore no worry if box plastic material is brittle or not.

Also will allow easy removal of receiver, and (at least as plans go) the open framework will allow me access to the radio PC board sides without much or any removal of framework.

I welcome any and all comments, suggestions, etc.
Bill K5BDZ

Date: Fri, 18 Oct 2002 12:10:25 -0500
From: "Brockwell, Stephen E. CECOM SEC FSSE GPI" <brockwse@fssec.army.mil>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [138267] Caution: Rookie QRP CW contester this weekend!!
Message-ID: <D9781901107D6A4AB59B567ED74090B454DC45@pandora.fssec.army.mil>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

I will work in the ARCI QRP contest this weekend. Probably on Sunday but don't wait up for me.

How many rookies (cw contest rookies) will be getting bloodied this weekend? Figure I'd try to work in the Novice area to minimize my interference with the better cw ops and to give at least one more tiny signal for Novices and Techs to practice with. I've never worked a contest on cw before but I'll make at least 5 contacts before I quit. Maybe more.

You'll recognize me I'll be the one sending characters you've never heard before.

73, GL and see you in the novice areas.

Steve KC5TTY
..... tiny code extra working to improve.

Date: Fri, 18 Oct 2002 11:14:02 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
 Low Power Group <qrp-1@lehigh.edu>
Subject: [138268] Re: Fox - Winter Fox Hunt Teams.
Message-ID: <Pine.LNX.4.33.0210181110260.10126-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...here's the Teams lineup as of today, October 18th...

Burbank Wrecking Crew - Cheeseheads -

Michael - K6MMC
Todd - AG0T
Don - KC2CK
Woody - WD9F
Trev - KG6CYN

Jerry - N9AW
Jim - WA9TZE
Lon - W9XU
Rick - NK9G
Glenn - WE9K

NE-TX Tornados -

p-Shooters -

Chuck - W5USJ
Bill - K5JHP
Don - K5DW
Doc - W5TB
George - W5YR

Raiders of the Lost RF -

Swamp Rats -

Dan - VE6EZ
Earl - VA6RF
Fred - VE3FAL
Robert - VE6JAZ
Bruce - VE5RC

Larry - N2WW
ET - N1FN
Paul - K4FB
Doc - K0EVZ
Tom - N1TP

K1 K9s -

Cajun Thunder -

Lloyd - K3ESE
Mark - K5MGJ
John - K8HJ
Ralph - KD1R
Joe - W2RBA

Wayne - K5EOA
Jim - N5IB
Vern - AA50
Wayne - N5YFC
Tom - AC5JH

Great Lakers -

Mark - K2Q0
Tom - KV2X
Al - K2ZN
Bill - K2TER
Jeff - VA3JFF

...any more Teams and info/corrections for the present lineup please?...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -

"QRP! How sweet it is!"

"I am da man wit "DAH" paddle!"

k

Date: Fri, 18 Oct 2002 12:16:33 -0500
From: <stanw@toxSOR.com>
To: <qrp-l@lehigh.edu>
Subject: [138269] ZM tuner variations ?
Message-ID: <000501c276ca\$20fe4000\$0364010a@toxSOR.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I seem to remember that someone post a variation of the ZM-2 on the web. I know about the G3VGR and k5DI web sites, but still loooking for other versions of the QRP ZM-2. Any suggestions?
Thanks, Stan ak0b

Date: Fri, 18 Oct 2002 13:26:25 -0400 (EDT)
From: Chris Cartwright <ccart@phideaux.com>
To: Richard Johnson <richard_johnson@credence.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [138270] Re: MC1350P
Message-ID: <Pine.LNX.4.33.0210181322510.30072-1000000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 18 Oct 2002, Richard Johnson wrote:

> I am designing with the MC1350P and have

I happen to be looking at my OHR Explorer II schematic when I read your message. OHR uses it for an IF amp at ~5Mhz. The input comes from a 4 crystal variable bandwidth filter, and the output goes to another NE602 to strip off the audio. The schematic is copyrighted, but I could describe it in detail :)

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Fri, 18 Oct 2002 13:15:33 -0400 (EDT)
From: Fred Ringwald <fred@ringwald.org>
To: qrp-l@lehigh.edu
Subject: [138271] Epiphyte 3 Transceiver
Message-ID: <m182aij-000RwyC@tesop>

Hello,

I just discovered (remembered) that I purchased a circuit board for the Epiphyte 3 some time back from NorCal. As these things go, I am assuming that the original circuit design described in the QRPp article got "field tested" resulting in a list of mods to either correct errors, or enhance the original design. I haven't been able to locate much information on this online, and have found only a "smattering" in the QRP-L archives.

Does anyone on the list have a reasonably complete set of docs on the Epiphyte 3 that they would be willing to share?? I would be happy to reimburse you for your expenses, etc.

Also, does anyone either have, or know of sources for hard-to-find parts for the Epiphyte 3 circuit? I understand that the Murata filter is sometimes hard to track down. I found some QRP-L archive messages talking about these filters on different frequencies and am wondering which filter is the "right" one to get for legal US SSB operation, since some of the filters are correct for frequencies that US hams cannot use with SSB modulation.

I would really appreciate any help in turning this beautiful PC board into QRP SSB QSOs!

Thanks for the bandwidth, and in advance for the help,

73s,

Fred Ringwald, AB0AE
fred@ringwald.org

Date: Fri, 18 Oct 2002 14:35:30 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [138272] Table top Nor'Easter (SWL Rx)

Message-ID: <3.0.6.32.20021018143530.007ba370@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

Looks like more than enough interest in making a Table Top kit version of the Nor'Easter SWl Rx. Rathier than to copy the existing design, which would be the most expediant thing to do, I'm gonna try something different. Will make it single conversion, with a 10.7 Mhz IF and monolithic xtal filter for selectivity. Will use a 74HC4053 as a mixer, instead of a 612. Will also use a 2 watt audio amp, so can drive a good sized speaker. Will build one up this weekend and hear how it works :-)

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Fri, 18 Oct 2002 13:28:26 -0500 (EST)
From: <igeq100@iupui.edu>
To: Bill ROWLETT <kc4atu@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [138273] Re: Ten-Tec 516
Message-ID: <Pine.GS0.3.96.1021018132702.24588B-100000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Bill -

Mine got here today also. Should be a fun evening. BTW, I live in central Indiana.

72,
Rich, WB9LPU

On Fri, 18 Oct 2002, Bill ROWLETT wrote:

> Its here, now I just have to get through the day
> before I take it and me home. Working for a living is
> the pits at time. Report tonight.
>
> For the others waiting out there, I live in northern

> Va. so figure your dates.
>
> 73, Bill kc4atu
>
> -----
> Do you Yahoo!?
> Faith Hill - Exclusive Performances, Videos & More
> <http://faith.yahoo.com>
>
>
>

End of QRP-L Digest 2713

